



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H111213

**Mode:** Highway

**Status:** Submitted

### US-117

**From/Cross Street:** NC 55 in Mount Olive, NC

**Specific Improvement Type:** 2 - Upgrade Arterial to Freeway/Expressway

**To:** I-40 in Sampson County

**Project Category:** Statewide Mobility

**Length:** 9.77

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$40,356,000

#### Description:

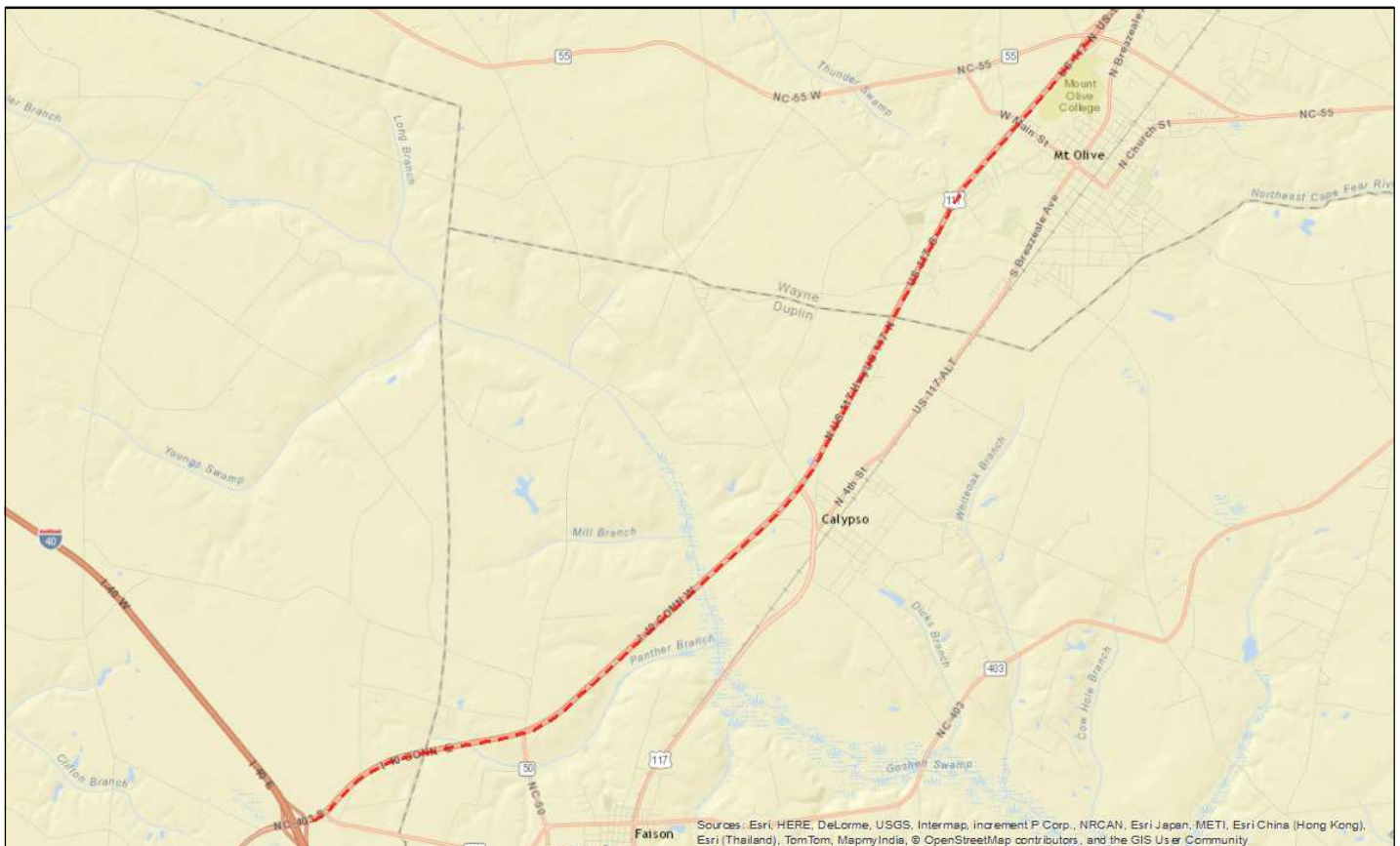
Improve US 117 to Freeway Standards. Expansion of I-795 South to I-40

**Division(s):** Division 3, Division 4

**County(s):** DUPLIN, WAYNE, SAMPSON

**MPOS(s)/RPO(s):** East Carolina RPO, Mid-Carolina RPO

### Project Location



**Statewide Mobility Total Score: 7.86**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 9.53 Safety (10%) 31.31 Economic Competitiveness (10%) 3.88 Multimodal + [Freight & Military] (20%) 5.58 [Travel Time] Benefit/Cost (30%) 1.23	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 7.86</b>		

**Regional Impact Total Score: 24.47**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 31.31 Multimodal + [Freight & Military] (25%) 5.58 [Travel Time] Benefit/Cost (20%) 1.23	Percent: 15% Points: 0	Percent: 15% Points: 100
<b>Totals: Weight: 70% Weighted Score: 9.47</b>		

**Division Needs Total Score: 8.73**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 9.53 Safety (20%) 31.31 Multimodal + [Freight & Military] (10%) 5.58	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 8.73</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	56
Length (miles):	9.77
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	7827.94
Capacity:	73405.32
Volume/Capacity Ratio:	0.11
% Autos:	86%
% Trucks:	14%
Truck Volume:	1115.87
Crash Density:	20.69
Crash Severity:	37.59
Critical Crash Rate:	35.64
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	96
Actual Congested Speed:	0
Travel Time Index:	0

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	9.77
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	2130286.89
Travel Time Savings for 30 Years (Autos):	1826615.11
Travel Time Savings for 30 Years (Trucks):	303671.78
Long-Term Employment:	32
% Change in Economy:	4.55E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 3	70%	0	0
Division 4	30%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
East Carolina RPO	88%	88	0
Mid-Carolina RPO	12%	12	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$40,356,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$40,356,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$40,356,000</b>	